



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE


CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010540
CERTIFICATION DATE: September 23, 2013
DATE RECERTIFICATION DUE: March 22, 2014

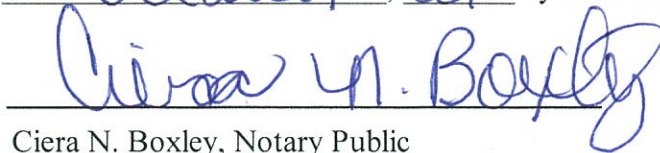
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.


Melissa Kennedy

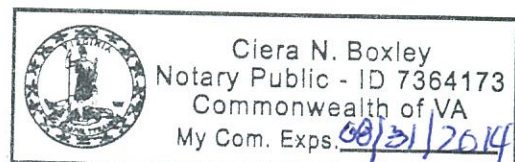
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 4th day of
October, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



DBH
Wk

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 9/26/2013**

Instrument Serial Number: 010540

As of 26-Sep-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
23-Sep-13	23-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
23-Apr-13	23-Apr-13	DBH (21250)	CERTIFIED.
15-Nov-12	15-Nov-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
05-Jun-12	05-Jun-12	TLN (25387)	CERTIFIED. REPLACED DRY GAS STANDARD.
13-Dec-11	13-Dec-11	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD
17-Oct-11	23-Jun-11	DBH (21250)	REPLACED PRINTER RIBBON
23-Jun-11	23-Jun-11	DBH (21250)	REPLACED PRINTER, CERTIFIED
29-Dec-10	29-Dec-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
11-Aug-10	11-Aug-10	DBH (21250)	CERTIFIED
16-Feb-10	16-Feb-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
25-Aug-09	25-Aug-09	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED.
11-Mar-09	11-Mar-09	DBH (21250)	CERTIFIED.
04-Mar-09	04-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
08-Dec-08	08-Dec-08	HMS (18910)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
msk

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010540 Worksheet Start Date 9/23/2013

Location Suffolk PD

Address 230 E Washington St Suffolk VA 23434

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

1 Secured Environment:

Location must not be accessible to the general public.

Yes No

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.	New serial no.	Supplies	
E-Seek		Mouthpieces	125
Keyboard		Certificates of Analysis	125
Printer		Operator Worksheet	
UPS		Other:	

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010540

Certification Date 9/23/2013

Instrument Barometer (mm HG) 761

Reference Barometer (mm HG) 763

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.250	0.242	0.257	Sample 2	0.249
Precision		sample min	sample max	Sample 3	0.249
0		0.249	0.249		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.150	0.145	0.154	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0		0.150	0.150		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG316301-30

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0.001		0.099	0.100		

DFS Technician

Donald B Hall

Date

9/26/13

Issuing Analyst

Melrose Kennedy

Date

9/30/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLV

DFS Document 250-F113

Revision 6

Page 2 of 2




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/23/2013
TEST EQUIPMENT NUMBER 010540		

RESULTS: TIME SAMPLE TAKEN 12:49 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 23 Sep 2013 at 13:12

HWS
DBH
WHL

Test Results

Instrument Serial Number 010540

Test # 001602 Subject Test

Test Location 1 Department of
Test Date 23 Sep 2013

Test Location 2 Forensic Science
Test Time 12:43
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 23 Sep 2013 End Time 12:50

Result Time 12:49

Result Date 23 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:43

Data Type BLK

Sample Value 0.000

Sample Time 12:44

Data Type CHK

Sample Value 0.101

Sample Time 12:45

Data Type BLK

Sample Value 0.000

Sample Time 12:46

Data Type SUBJ

Sample Value 0.000

Sample Time 12:47

Data Type BLK

Sample Value 0.000

Sample Time 12:48

Data Type SUBJ

Sample Value 0.000

Sample Time 12:49

Data Type BLK

Sample Value 0.000

Sample Time 12:50

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG217702-26

Standard Expiration Date 06/25/2014

Tank Pressure 311

Barometric Pressure 761 mmHg

Blow Sample Number 1 Blow Duration 3.85 sec

Blow Volume 1894 cc End-of-Blow Time 12:47

Blow Sample Number 2 Blow Duration 3.37 sec

Blow Volume 1757 cc End-of-Blow Time 12:49

Tamper Evident Stamp 3158e84f

Test Status Code 0

Test Status Success

DBH

AKK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010540 Test Number: 1603

Test Date: 09/23/2013 Test Time: 12:52 EDT

Dry Gas Target: 0.100

Lot Number: AG217702-26 Exp Date: 06/25/2014

Tank Pressure: 306 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:53
CHK	0.101	12:53
BLK	0.000	12:55
CHK	0.101	12:55
BLK	0.000	12:57
CHK	0.101	12:57

Test Status: *Success*

Calibration CRC: A22AE776

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010540 Test Number: 1604

Test Date: 09/23/2013 Test Time: 13:00 EDT

Dry Gas Target: 0.300

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 340 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:01
CHK	0.304	13:01
BLK	0.000	13:03
CHK	0.303	13:04
BLK	0.000	13:06
CHK	0.302	13:07

Test Status: Success

Calibration CRC: A22AE776

DBH

WXL

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010540

System Date: 09/23/2013

System Time: 13:31 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

WJH

DBH

Intox EC/IR-II: Calibration

WHL

Department of Forensic Science

Serial Number: 010540 Test Number: 1605

Test Date: 09/23/2013 Test Time: 13:34 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 409 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:35
CAL	0.100	13:35

Test Status: *Success*

Calibration CRC: 4C9A34F3

DBH

MDL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010540 Test Number: 1606
Test Date: 09/23/2013 Test Time: 13:40 EDT

Technician Initials: DBH

Dry Gas Target: 0.250

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 247 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:40
BLK	0.000	13:41
CHK	0.249	13:42
BLK	0.000	13:44
CHK	0.249	13:44
BLK	0.000	13:46
CHK	0.249	13:47
BLK	0.000	13:48

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010540 Test Number: 1607
Test Date: 09/23/2013 Test Time: 13:51 EDT

Technician Initials: DBH

Dry Gas Target: 0.150

Lot Number: 29512150I2-03 Exp Date: 11/01/2014

Tank Pressure: 1012 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:51
BLK	0.000	13:52
CHK	0.150	13:53
BLK	0.000	13:54
CHK	0.150	13:55
BLK	0.000	13:56
CHK	0.150	13:57
BLK	0.000	13:58

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010540 Test Number: 1608
Test Date: 09/23/2013 Test Time: 14:02 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 213 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:02
BLK	0.000	14:03
CHK	0.080	14:04
BLK	0.000	14:05
CHK	0.080	14:06
BLK	0.000	14:07
CHK	0.080	14:08
BLK	0.000	14:09

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

Wsk

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010540 Test Number: 1609
Test Date: 09/23/2013 Test Time: 14:12 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014

Tank Pressure: 120 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:12
BLK	0.000	14:13
CHK	0.019	14:14
BLK	0.000	14:15
CHK	0.019	14:16
BLK	0.000	14:17
CHK	0.019	14:18
BLK	0.000	14:19

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010540 Test Number: 1610

Test Date: 09/23/2013 Test Time: 14:22 EDT

Dry Gas Target: 0.300

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 330 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:23
CHK	0.303	14:23
BLK	0.000	14:25
CHK	0.303	14:26
BLK	0.000	14:28
CHK	0.303	14:28

Test Status: Success

Calibration CRC: 4C9A34F3

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010540 Test Number: 1611

Test Date: 09/23/2013 Test Time: 14:32 EDT

Dry Gas Target: 0.100

Lot Number: AG316301-30 Exp Date: 06/12/2015

Tank Pressure: 1120 psi Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:32
CHK	0.099	14:33
BLK	0.000	14:35
CHK	0.100	14:36
BLK	0.000	14:37
CHK	0.100	14:38

Test Status: Success

Calibration CRC: 4C9A34F3

DBH

Wsk




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/23/2013
TEST EQUIPMENT NUMBER 010540		

RESULTS: TIME SAMPLE TAKEN 14:46 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 25 Sep 2013 at 08:36

DBH

[Signature]

Test Results

Instrument Serial Number 010540

Test # 001612 Subject Test

Test Location 1 Department of
Test Date 23 Sep 2013

Test Location 2 Forensic Science
Test Time 14:40
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 23 Sep 2013 End Time 14:48

Result Time 14:46

Result Date 23 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:40

Data Type BLK

Sample Value 0.000

Sample Time 14:41

Data Type CHK

Sample Value 0.099

Sample Time 14:42

Data Type BLK

Sample Value 0.000

Sample Time 14:43

Data Type SUBJ

Sample Value 0.000

Sample Time 14:44

Data Type BLK

Sample Value 0.000

Sample Time 14:45

Data Type SUBJ

Sample Value 0.000

Sample Time 14:46

Data Type BLK

Sample Value 0.000

Sample Time 14:47

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG316301-30

Standard Expiration Date 06/12/2015

Tank Pressure 1120

Barometric Pressure 760 mmHg

Blow Sample Number 1 Blow Duration 3.39 sec

Blow Volume 1807 cc End-of-Blow Time 14:44

Blow Sample Number 2 Blow Duration 3.37 sec

Blow Volume 1821 cc End-of-Blow Time 14:46

Tamper Evident Stamp 0ee72901

Test Status Code 0

Test Status Success